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PATENT & TRADEMARK OFFICE

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b), 1.97(c), or 1.97(d)			Attny. Docket No. 2002B119/2
In Re Application of: Palanisamy Arjunan, et al.			
U.S. Serial No. 10/681,966	Filing Date October 9, 2003	Examiner Unassigned	Group Art Unit Unassigned

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR § 1.97(b)

☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

37 CFR § 1.97(c)

☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); after three months of the date of entry of the national stage as set forth in § 1.491 in an international application; after the mailing of a first Office Action on the merits; or after the mailing of a first Office Action after the filing of a request for continued examination under § 1.114, but before the mailing date of:

1. a Final Action under § 1.113,
2. a Notice of Allowance under § 1.311, or
3. an action that otherwise closes prosecution in the application,

and is accompanied by either:

☐ the fee as set forth in § 1.17(p), or
☐ the following statement under § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

37 CFR § 1.97(d)

☐ The Information Disclosure Statement submitted herewith is being filed after a Final Action under § 1.113, a Notice of Allowance under § 1.311, or an action that otherwise closes prosecution in the application, but before, or simultaneously with, the payment of the issue fee. Submitted herewith is the fee as set forth in § 1.17(p) and the following statement under 37 CFR § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

Applicant hereby request consideration of the Information Disclosure Statement, USPTO form 1449, submitted herewith.

☒ Legible copies of the references are enclosed.

☐ This application is a:
- ☐ Continuation / Divisional,
- ☐ Continuation-in-Part,

of U.S.S.N. _____. Copies of the cited references are ☐ enclosed; ☐ not enclosed. References are available in the parent application(s) if not enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment, to Deposit Account Number 05-1712. A duplicate copy of this form is enclosed.

6/17/04
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FORM – 1449

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
2002B119/2	10/681,966
APPLICANT	
Palanisamy Arjunan, et al.	
FILING DATE	GROUP
October 9, 2003	Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,878,129	04/15/75	Rosback	252	455 Z	
	AB	3,929,669	12/30/75	Rosback, et al.	252	455 Z	
	AC	3,998,901	12/21/76	Neuzil, et al.	260	674 SA	
	AD	4,028,428	06/07/77	Neuzil, et al.	260	674 SA	
	AE	4,934,580	06/19/90	Sutton	228	157	
	AF	4,987,193	01/22/91	Gotoh	525	313	
	AG	5,272,236	12/21/93	Lai, et al.	526	348.5	
	AH	5,296,434	03/22/94	Karl, et al.	502	117	
	AI	5,350,817	09/27/94	Winter, et al.	526	119	
	AJ	5,350,819	09/27/94	Shaffer	526	189	
	AK	5,418,065	05/23/95	Fujiki, et al.	428	451	
	AL	5,418,308	05/23/95	Harvie	526	336	
	AM	5,422,185	06/06/95	Egami, et al.	428	412	
	AN	5,504,171	04/02/96	Etherton, et al.	526	336	
	AO	5,514,761	05/07/96	Etherton, et al.	526	144	
	AP	5,516,848	05/14/96	Canich, et al.	525	240	
	AQ	5,539,056	07/23/96	Yang, et al.	525	240	
	AR	5,571,867	11/05/96	Luvinh et al.	525	99	
	AS	5,635,573	06/03/97	Harrington, et al.	526	170	
	AT	5,670,580	09/23/97	Tazaki, et al.	525	240	
	AU	5,670,595	09/23/97	Meka, et al.	526	336	
	AV	5,696,045	12/09/97	Winter, et al.	502	113	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant

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	AA	5,698,651	12/16/97	Kawasaki, et al.	526	336	
	AB	5,866,663	02/02/99	Brookhart, et al.	526	170	
	AC	5,986,009	11/16/99	Thoen, et al.	525	240	
	AD	5,993,922	11/30/99	Babrowicz, et al.	428	35.7	
	AE	5,998,547	12/07/99	Hohner	525	301	
	AF	6,114,457	09/05/00	Markel, et al.	525	240	
	AG	6,114,477	09/05/00	Merrill, et al.	526	68	
	AH	6,117,962	09/12/00	Weng, et al.	526	351	
	AI	6,121,377	09/19/000	Chien	525	88	
	AJ	6,121,383	05/11/96	Abdou-Sabet, et al.	525	192	
	AK	6,124,400	09/26/00	Chien	525	88	
	AL	6,143,846	11/07/00	Herrmann, et al.	526	170	
	AM	6,147,174	11/14/00	Holtcamp, et al.	526	160	
	AN	6,147,180	11/14/00	Merkel, et al.	526	352	
	AO	6,150,481	11/21/00	Winter, et al.	526	118	
	AP	6,177,377	01/23/01	Chien	502	113	
	AQ	6,184,327	02/06/01	Weng, et al.	526	351	
	AR	6,207,606	03/27/01	Lue, et al.	502	113	
	AS	6,225,432	05/01/01	Weng, et al.	526	351	
	AT	6,248,832	06/19/01	Peacock	525	191	
	AU	6,258,903	07/10/01	Mawson, et al.	526	113	
	AV	6,271,323	08/07/01	Loveday, et al.	526	161	

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	AA	6,297,301	10/02/01	Erderly, et al.	524	157	
	AB	6,323,284	11/27/01	Peacock	525	237	
	AC	6,342,574	01/29/02	Weng, et al.	526	351	
	AD	6,346,586	02/12/02	Agapiou, et al.	526	160	
	AE	6,407,189	06/18/02	Herrmann	526	160	
	AF	2001/0007896	07/12/01	Agarwal, et al.	526	335	
	AG	2001/0047064	11/29/01	Sun	526	74	
	AH	2002/0013440	01/31/02	Agarwal, et al.	526	335	
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	AL	EP 0 284 850 A2	10/05/88	Europe	B01D	53/04		
	AM	EP 0 527 589 A1	02/17/93	Europe	C08L	23/10		
	AN	EP 0 619 325 B1	08/29/01	Europe	C08F	4/602		
	AO	EP 0 645 401 B1	03/29/95	Europe (w/abstract)	C08F	10/06		
	AP	EP 0 667 359 A1	08/11/95	Europe	C08F	210/00		

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	AA	EP 0 718 324 A2	06/26/96	Europe	C08F	210/18		
	AB	EP 0 806 436 B1	07/19/00	Europe	C08F	4/64		
	AC	EP 0 864 593 A1	09/16/98	Europe	C08F	290/04		
	AD	EP 0 942 017 A2	09/15/99	Europe	C08F	210/06		
	AE	EP 0 987 279 A1	03/22/00	Europe	C08F	10/06		
	AF	EP 1 008 607 A1	06/14/00	Europe	C08F	210/06		
	AG	EP 1 195 391 A1	04/10/02	Europe	C08F	110/06		
	AH	EP 1 223 191 A1	07/17/02	Europe	C08L	23/10		
	AI	GB 1 589 213	05/07/81	Great Britain	C01B	33/28		
	AJ	JP 05-146747	06/15/93	Japan	BO5D	7/02		
	AK	JP 05-320445	03/12/93	Japan	C08L	23/26		
	AL	JP 06-172448	06/21/94	Japan	C08F	210/00		
	AM	JP1994025357A	01/01/94	Japan	08F	210/06	X	
	AN	WO 98/10016 A1	03/12/98	PCT	C08L	23/10		
	AO	WO 98/33823 A1	08/06/98	PCT	C08F	4/42		
	AP	WO 98/34724 A1	08/13/98	PCT	B01J	31/00		
	AQ	WO 98/34971 A1	08/13/98	PCT	C08F	297/08		

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	AA	WO 98/49229 A1	11/05/98	PCT	C08L	23/14		
	AB	WO 99/02540 A1	01/21/99	PCT	C07F	17/00		
	AC	WO 99/11680 A1	03/11/99	PCT	C08F	210/06		
	AD	WO 99/19547 A1	04/22/99	PCT	D01F	6/30		
	AE	WO 99/29742 A1	06/17/99	PCT	C08F	10/06		
	AF	WO 99/29749 A1	06/17/99	PCT	C08F	290/04		
	AG	WO 99/32226 A1	07/01/99	PCT	B01J	31/00		
	AH	WO 99/64497 A1	12/16/99	PCT	C08J	3/02		
	AI	WO 00/06621 A1	02/10/00	PCT	C08F	210/06		
	AJ	WO 00/12572 A2	03/09/00	PCT	C08F	10/06		
	AK	WO 00/37514 A1	06/29/00	PCT	C08F	210/06		
	AL	WO 01/09200 A1	02/08/01	PCT	C08F	10/00		
	AM	WO 01/46273 A1	06/28/01	PCT	C08F	10/00		
	AN	WO 01/46274 A1	06/28/01	PCT	C08F	10/06		
	AO	WO 01/58970 A1	08/16/01	PCT	C08F	297/08		
	AP	WO 02/28923 A1	04/11/02	PCT	C08F	110/66		

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	AA	WO 02/50145 A2	06/27/02	PCT	C08F	236/02		
	AB	WO 02/070572 A2	09/12/02	PCT	C08F	210/16		
	AC	WO 02/090399 A1	11/14/02	PCT	C08F	210/06		
	AD							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AE	Arjunan, et al., *"In-Situ LCB-PP via High Temperature Propylene Polymerization Process (including "Supercritical Polymerization")"*, PLT. 16CP.2001, November 20, 2001
	AF	Chen, et al., *"Cocatalysts for Metal-Catalyzed Olefin Polymerization: Activators, Activation Processes, and Structure-Activity Relationships"*, Chem. Rev. 2000, 100, pp. 1391-1434.
	AG	Dassaud, et al., *"Copolymerization of Propene-nonconjugated Dienes: Derivatization Through Hydroboration and Epoxydation"*, Polymers for Advanced Technologies, Vol. 4, pp. 457-464, John Wiley & Sons, Ltd., (1992).
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	AJ	Hackmann, et al., *"Zirconocene-MAO Catalyzed (co)polymerization of Linear Non-symmetrically Substituted Dienes with Propene: A Novel Strategy to Tailored Functional Copoly(α-olefin)s and Brush Copolymers"*, Polym. Mater. Sci. 1999, 80, pp.143-144.
	AK	Hackmann, et al., *"Zirconocene-MAO Catalyzed Homo-and Copolymerizations of Linear Asymmetrically Substituted Dienes with Propene: A Novel Strategy to Functional (co)poly(α-olefin)s"*, Macromol. Chem. Phys., pp. 1511-1517, 1998 (Germany)
	AL	Lee, et al. *"Copolymerizations of Olefins and Dienes with Homogeneous and Heterogeneous Catalysts"*, Eur. Polym. J., Vol. 33, No. 4, pp. 447-451, 1997, Great Britain.

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OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AA	Markel, et al., *"Metallocene-Based Branch-Block Thermoplastic Elastomers"*, Macromolecules®, reprinted from Volume 33, Number 23, pp. 8541-8548.
	AB	Resconi, et al., *"Selectivity in Propene Polymerization with Metallocene Catalysts"*, Chem. Rev. 2000, 100, pp. 1253-1345.
	AC	Weng, et al., *"Synthesis of Long-Chain Branched Propylene Polymers via Macromonomer Incorporation"*, Macro. Rapid Communications, Vol. 22, No. 18, pp. 1488-1492 (2001).
	AD	Abstract, EP 0 645 401, published 12/05/01

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